

A. C. HALL.

Improvement in Miter-Boxes.

No. 128,795.

Patented July 9, 1872.

Fig. 1

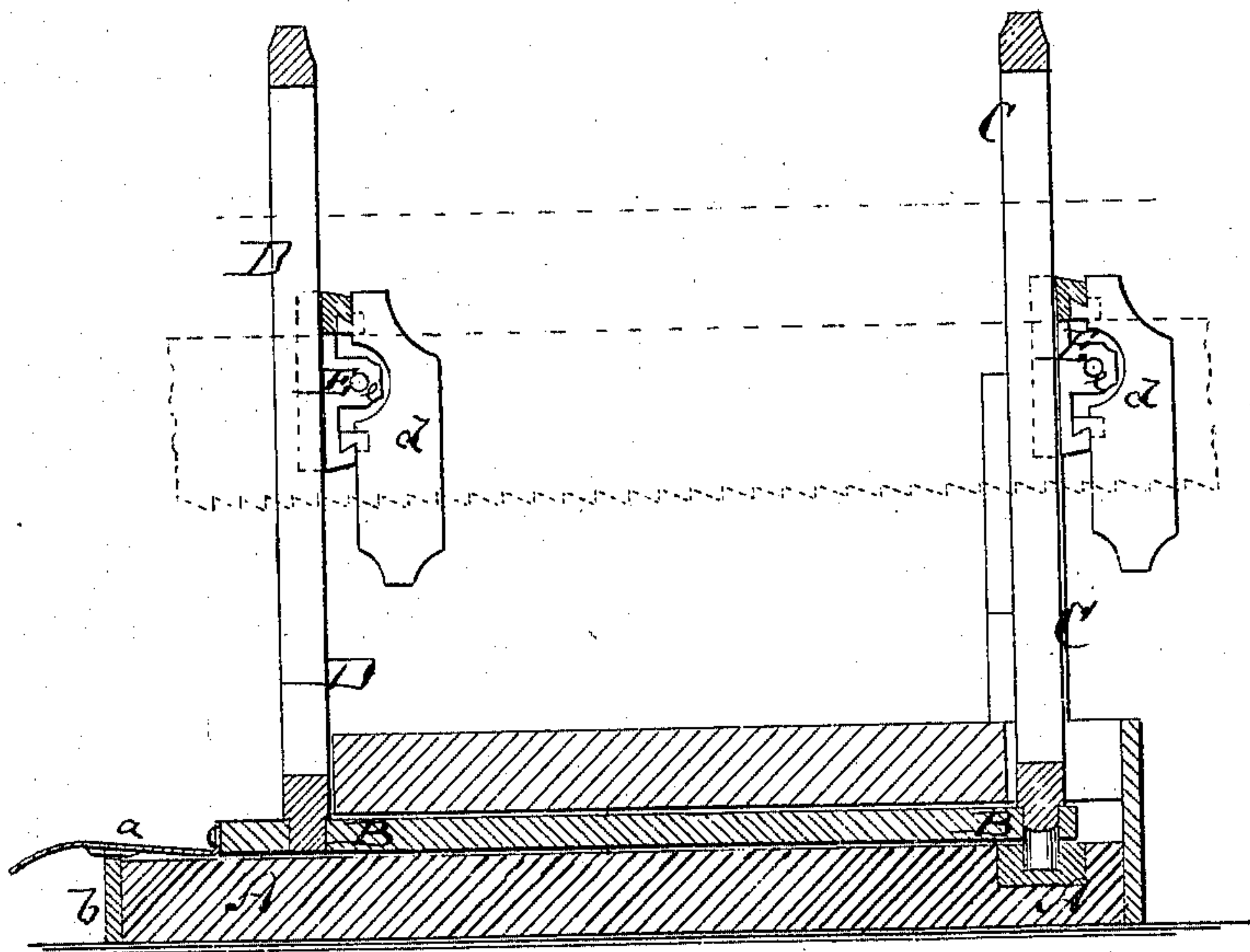


Fig. 3

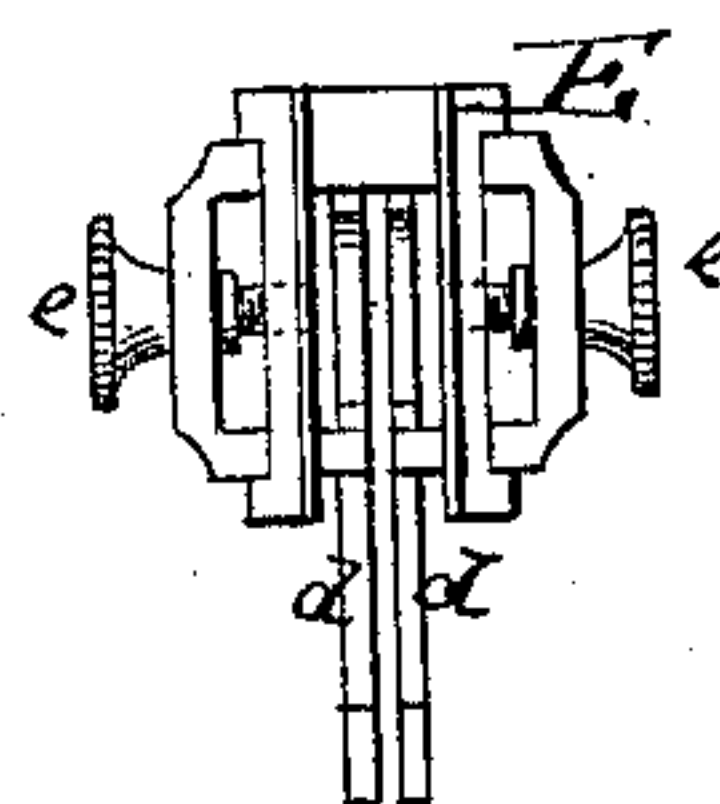
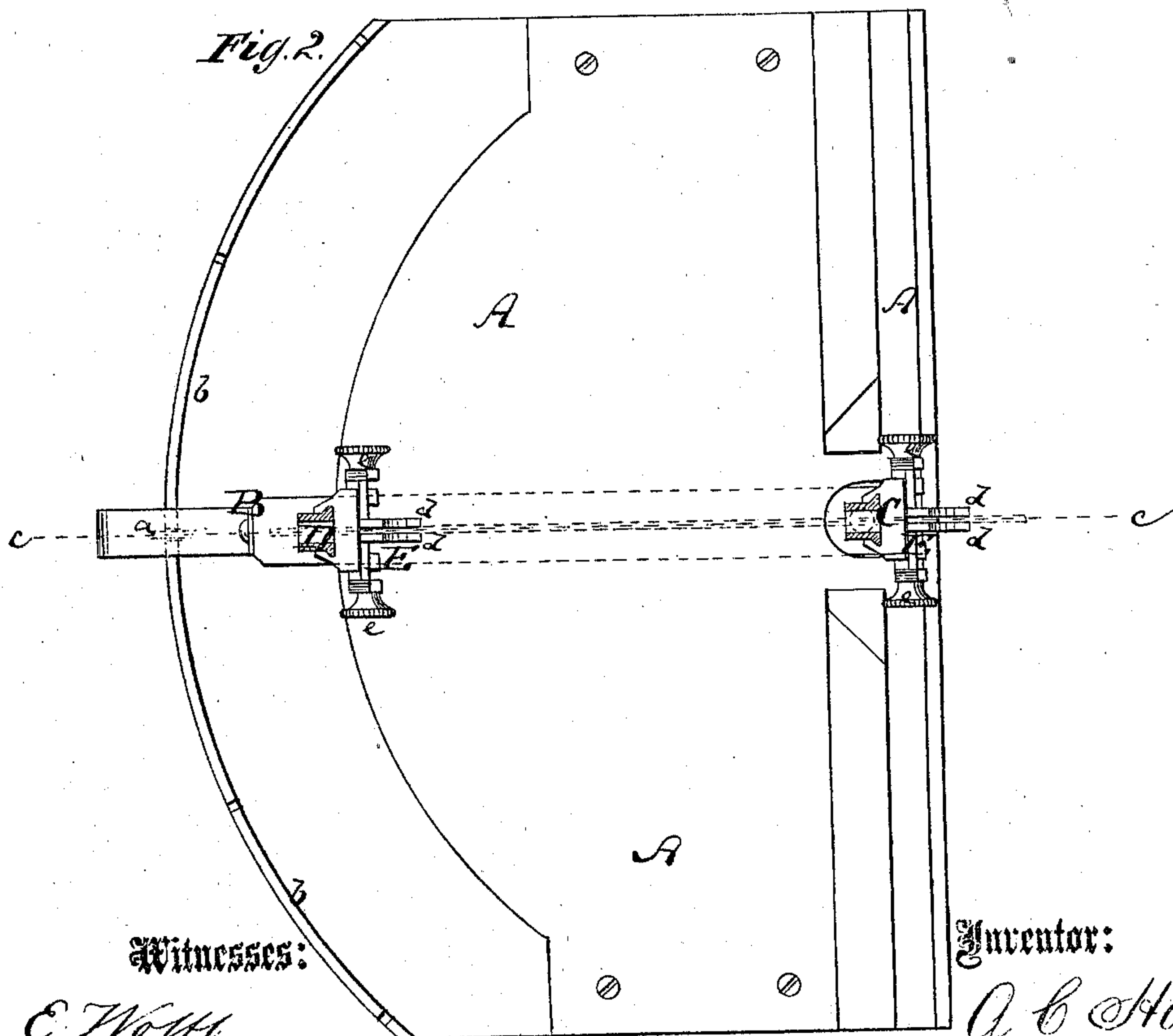


Fig. 2



Witnesses:

E. Woff.  
H. A. Graham

Inventor:

A. C. Hall

PER

M. L.  
Attorneys.

# UNITED STATES PATENT OFFICE.

ANDREW CLAYTON HALL, OF CARBONDALE, PENNSYLVANIA.

## IMPROVEMENT IN MITER-BOXES.

Specification forming part of Letters Patent No. 128,795, dated July 9, 1872.

Specification describing a new and Improved Miter-Box, invented by ANDREW C. HALL, of Carbondale, in the county of Luzerne and State of Pennsylvania.

Figure 1 represents a sectional elevation of my improved miter-box, the line *c c*, Fig. 2, indicating the plane of section. Fig. 2 is a top view, partly in section, of the same; and Fig. 3 a detail side view of one of the saw-guides.

Similar letters of reference indicate corresponding parts.

This invention relates to a new form of saw-guides, and to a new combination of the same with the posts and swivel-bar of a miter-box, with the object of improving the general arrangement of parts. It consists, first, in making the guides laterally adjustable on vertical slides, so that they can be fitted to any thickness of saw-blades. The invention also consists in combining said guides and slides with two slotted posts, of which one constitutes the pivot of the horizontal bar, to which the other is secured.

A in the drawing represents the bed of the miter-box. B is the swivel-bar, and C D are the posts. The post C extends through one end of the bar B into the bed, and constitutes the pivot of the bar on the bed. The other post D is rigidly secured to the other end of

the bar B. Both posts are slotted, and so placed that their slots are opposite each other to admit the saw. A spring, *a*, projecting from the outer end of the bar B, and over the edge of a plate, *b*, which is by preference attached to the front of the bed A, serves to lock the bar and posts in suitable position in any one of a series of notches which are cut into the plate *b*. E E are two vertical slides on the posts C D. Each slide is provided with two laterally-adjustable jaws, *d d*, which constitute the saw-guide, and which can be adjusted apart or together by means of set-screws *e e*. By the latter the guides can be made wide or narrow enough to fit saw-blades of suitable thickness.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The guides *d d* adjusted by the screws *e e*, and arranged on the slides E, as set forth.
2. The combination of the subject-matter of the foregoing clause with the posts C D and bar B, substantially as herein shown and described.

ANDREW CLAYTON HALL.

Witnesses:

FREDERICK W. PORTER.  
LUCIUS MARSHALL.